

ABSTRACT OF THE DISCLOSURE

It is intended to provide a pure line
plant which is required in constructing a seed
propagation variety of orchid. An auxin solution is
5 dropped to unfertilized orchid flowers so as to form
seeds based on parthenogenesis. Then these seeds
are germinated and haploid plants are selected from
orchid plants thus grown. The germinating seeds
judges as haploid plants are grown to give pure line
10 plants having doubled chromosomes. Thus, a seed
propagation variety of orchid is obtained.